Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020723\
Data File : BN023985.D
Acq On : 08 Feb 2023 01:46
Operator : CG/JU
Sample : PB150549BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Quant Time: Feb 08 02:40:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN020723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 02:37:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.840	152	4388	0.400	ng		0.00
7) Naphthalene-d8	10.648	136	11096	0.400	ng		0.00
13) Acenaphthene-d10	14.485	164	6808	0.400	ng		0.00
19) Phenanthrene-d10	17.241	188	15755	0.400	ng		0.00
29) Chrysene-d12	21.428	240	12357	0.400	ng		# 0.00
35) Perylene-d12	23.819	264	8679	0.400	ng		# 0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	3532	0.387	ng		0.00
5) Phenol-d6	7.009	99	4127	0.384	ng		0.00
8) Nitrobenzene-d5	9.003	82	3458	0.388	ng		0.00
11) 2-Methylnaphthalene-d10	12.238	152	6102	0.396	ng		0.00
14) 2,4,6-Tribromophenol	15.987	330	1262	0.360	ng		0.00
15) 2-Fluorobiphenyl	13.116	172	11109	0.412	ng		0.00
27) Fluoranthene-d10	19.271	212	14417	0.377	ng		0.00
31) Terphenyl-d14	19.869	244	9854	0.427	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.268	88	1827	0.439	ng		100
3) n-Nitrosodimethylamine	3.601	42	1820	0.390	ng	#	96
6) bis(2-Chloroethyl)ether	7.269	93	4557	0.424	ng		99
9) Naphthalene	10.690	128	11210	0.405	ng		100
10) Hexachlorobutadiene	10.979	225	2986	0.411	ng	#	98
12) 2-Methylnaphthalene	12.310	142	7451	0.405	ng		97
16) Acenaphthylene	14.207	152	9967	0.376	ng		98
17) Acenaphthene	14.549	154	7323	0.406	ng		99
18) Fluorene	15.532	166	10102	0.413	ng		99
20) 4,6-Dinitro-2-methylph...	15.628	198	803	0.411	ng		94
21) 4-Bromophenyl-phenylether	16.434	248	3956	0.386	ng		97
22) Hexachlorobenzene	16.546	284	4972	0.404	ng		99
23) Atrazine	16.707	200	2356	0.352	ng	#	96
24) Pentachlorophenol	16.893	266	1333	0.391	ng		97
25) Phenanthrene	17.278	178	16854	0.388	ng		100
26) Anthracene	17.365	178	13239	0.370	ng		100
28) Fluoranthene	19.300	202	18850	0.378	ng		100
30) Pyrene	19.663	202	18495	0.432	ng		99
32) Benzo(a)anthracene	21.410	228	14439	0.365	ng		98
33) Chrysene	21.464	228	17151	0.402	ng		99
34) Bis(2-ethylhexyl)phtha...	21.339	149	5779	0.320	ng		99
36) Indeno(1,2,3-cd)pyrene	26.290	276	14716	0.373	ng		100
37) Benzo(b)fluoranthene	23.091	252	14112	0.402	ng		97
38) Benzo(k)fluoranthene	23.135	252	14313	0.412	ng		98
39) Benzo(a)pyrene	23.714	252	10145	0.381	ng		95
40) Dibenzo(a,h)anthracene	26.307	278	11941	0.378	ng		98
41) Benzo(g,h,i)perylene	27.053	276	13016	0.389	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020723\
Data File : BN023985.D
Acq On : 08 Feb 2023 01:46
Operator : CG/JU
Sample : PB150549BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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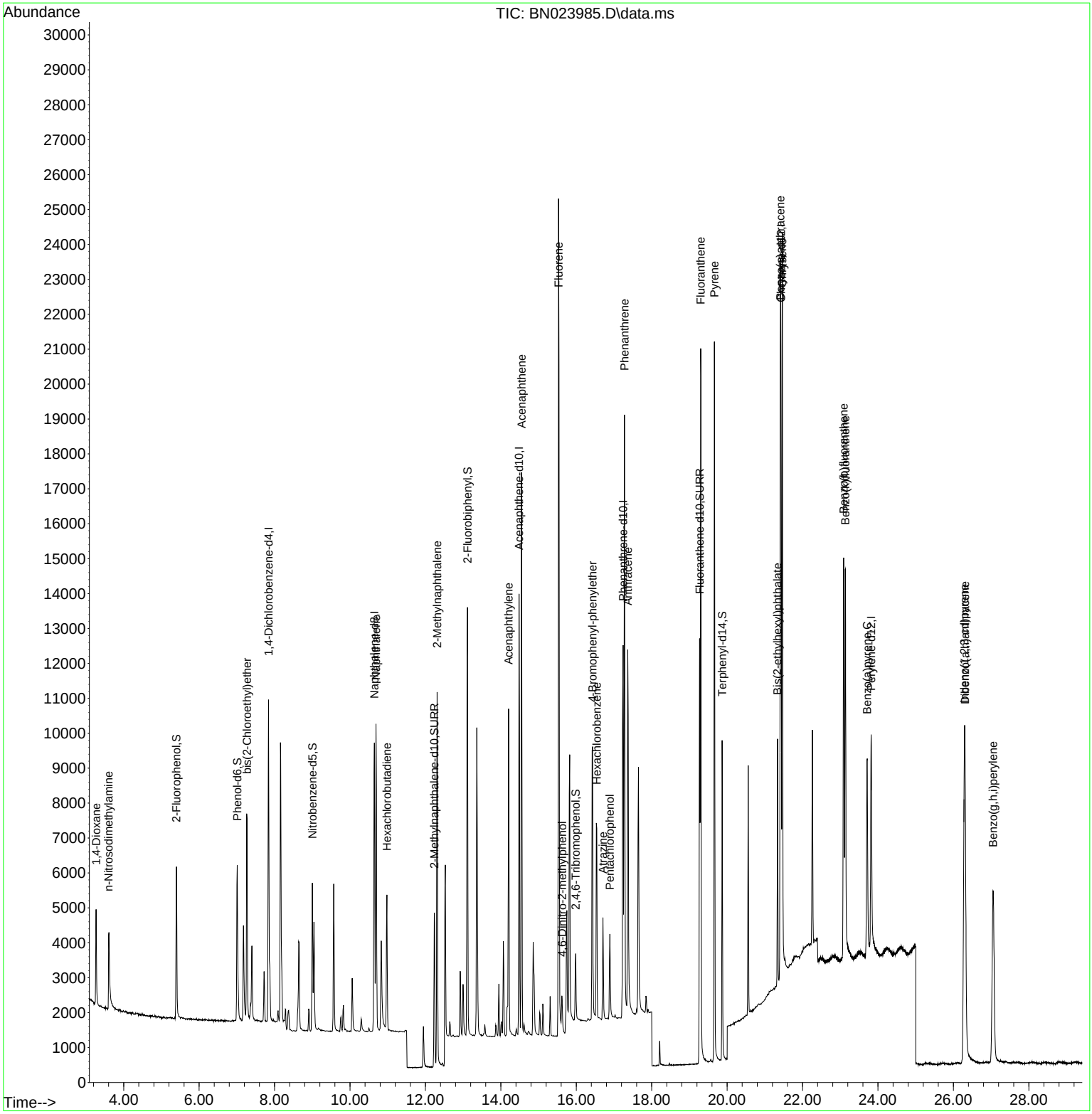
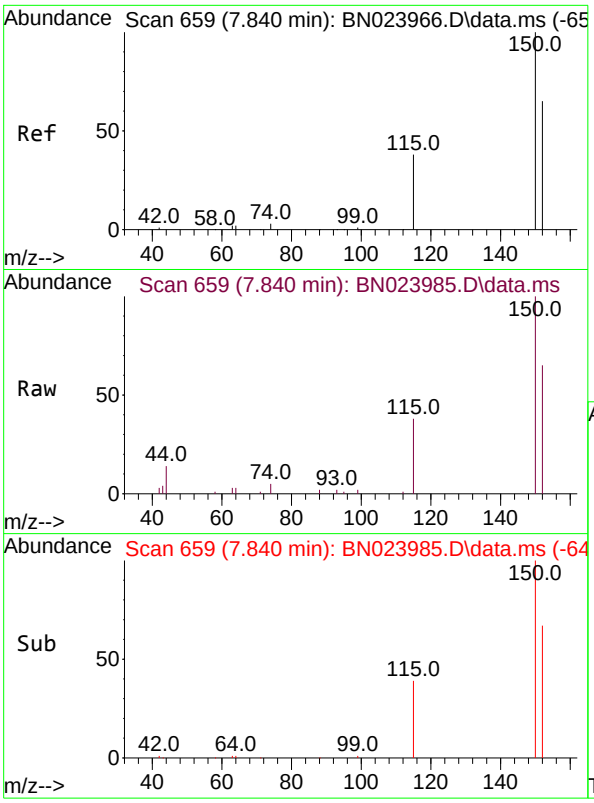
Quant Time: Feb 08 02:40:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN020723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 02:37:27 2023
Response via : Initial Calibration



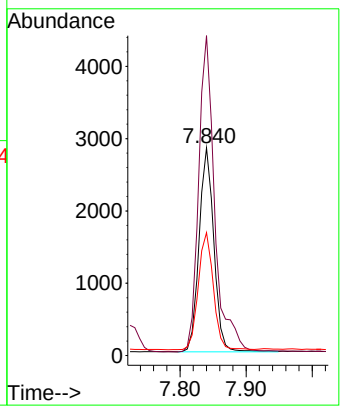


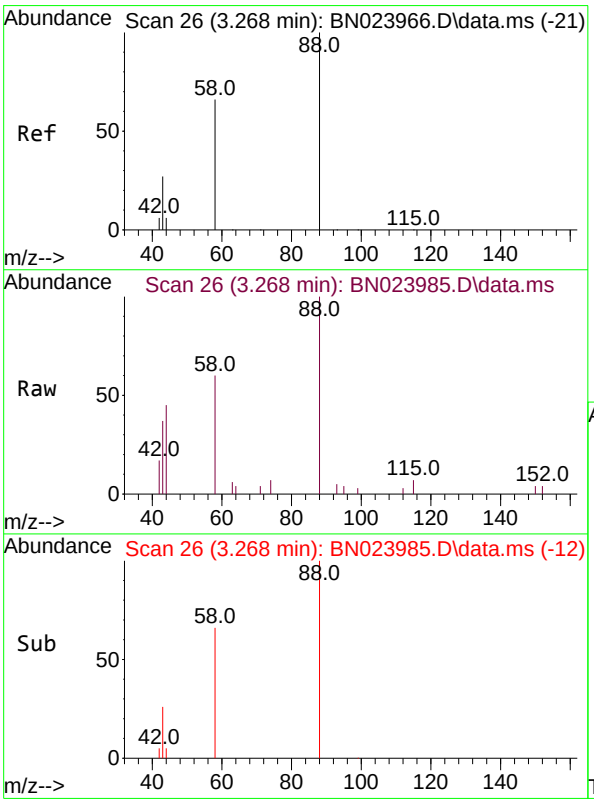
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.840 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:152 Resp: 4388

Ion	Ratio	Lower	Upper
152	100		
150	154.0	121.8	182.6
115	59.2	47.7	71.5

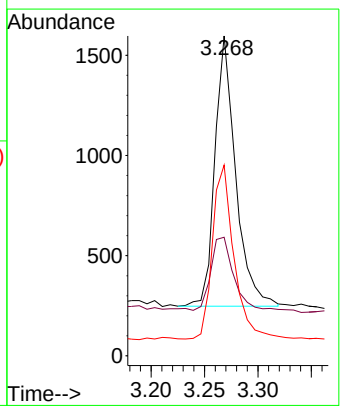


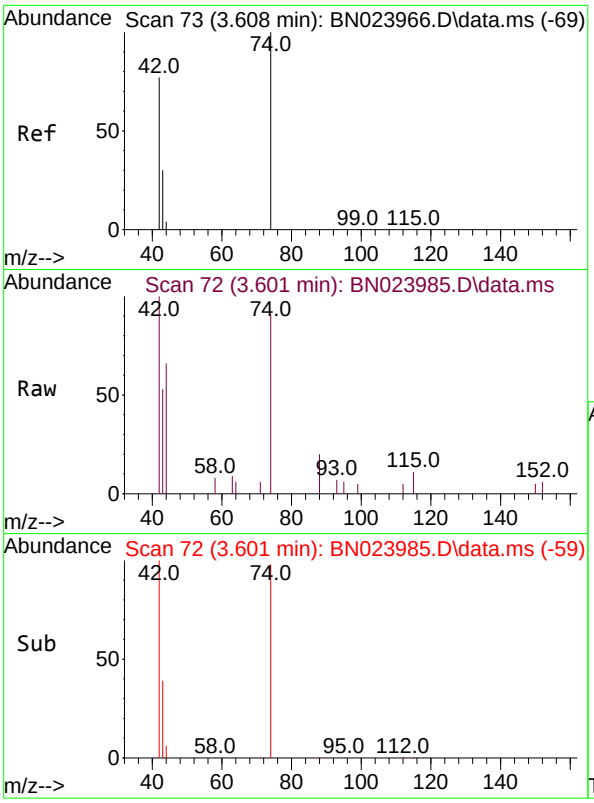


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 3.268 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion: 88 Resp: 1827

Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.7	35.5
58	66.5	53.4	80.2



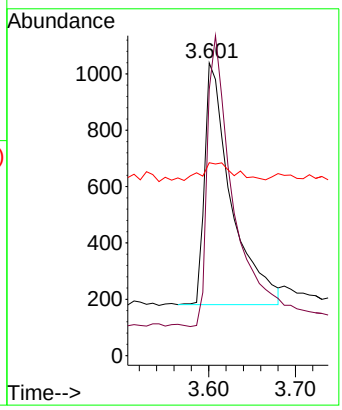


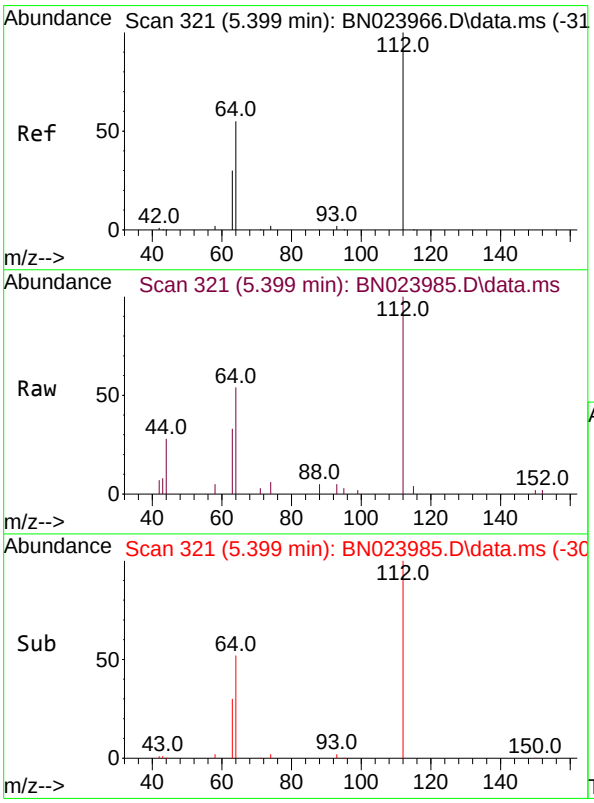
#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.601 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion: 42 Resp: 1820

Ion	Ratio	Lower	Upper
42	100		
74	119.7	99.3	148.9
44	8.6	4.2	6.4#

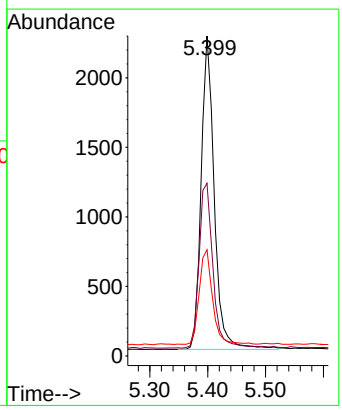


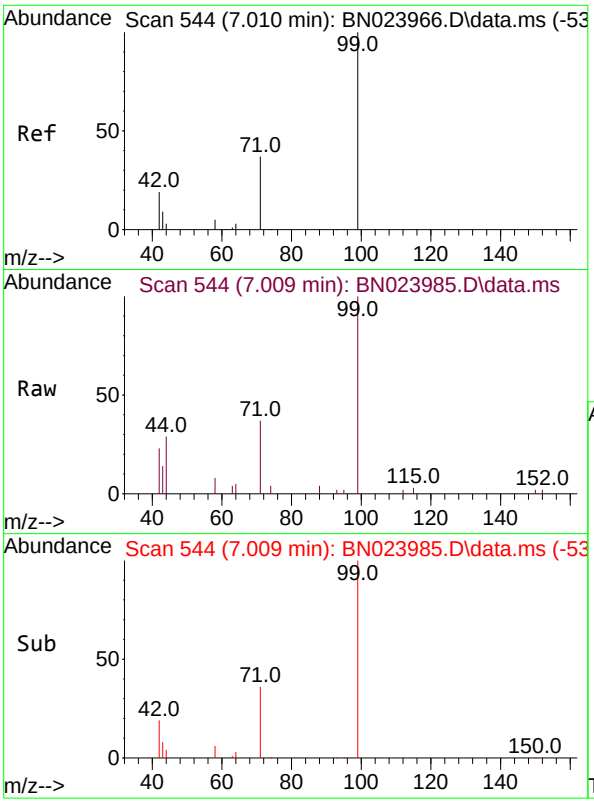


#4
2-Fluorophenol
Concen: 0.387 ng
RT: 5.399 min Scan# 321
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:112 Resp: 3532

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.8	67.2
63	31.0	25.1	37.7



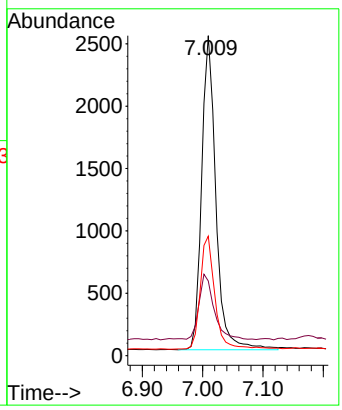


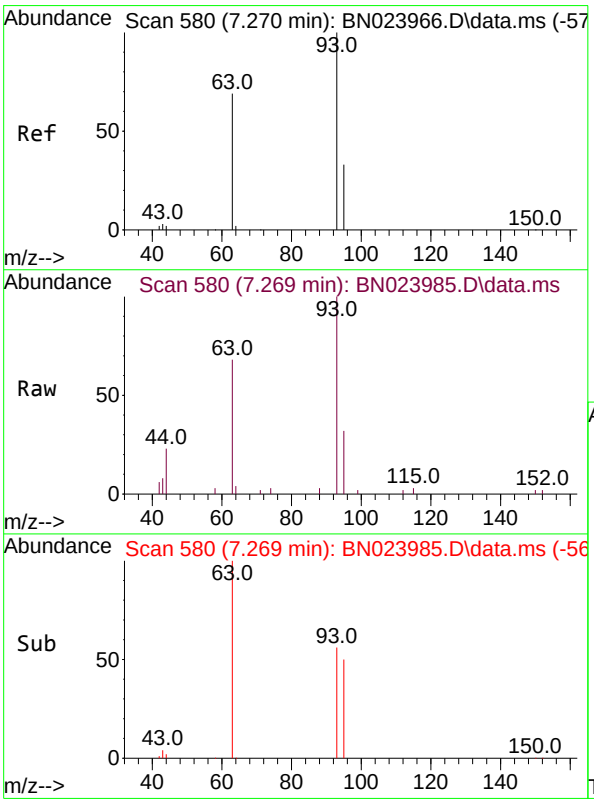
#5
Phenol-d6
Concen: 0.384 ng
RT: 7.009 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion: 99 Resp: 4127

Ion	Ratio	Lower	Upper
99	100		
42	22.0	17.0	25.6
71	37.3	29.0	43.4

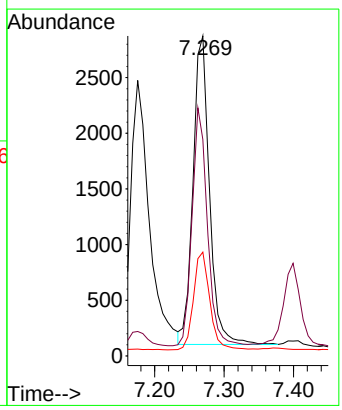


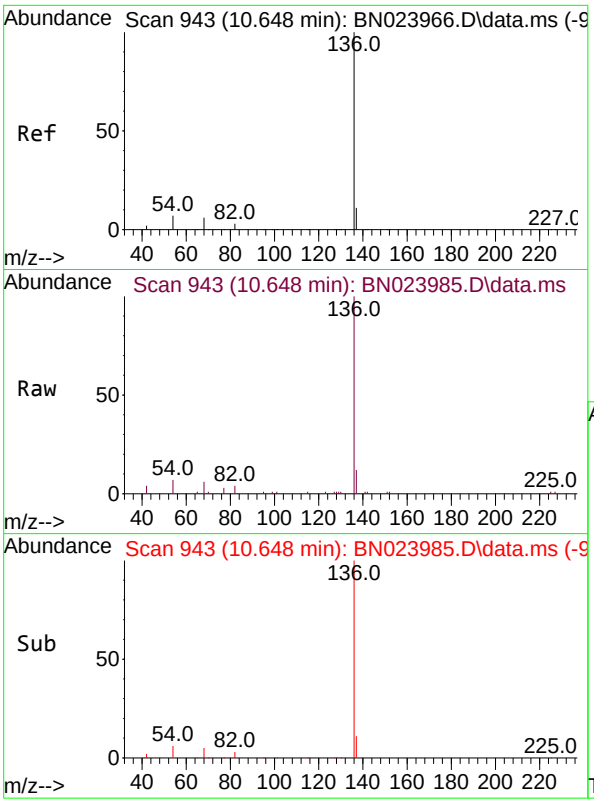


#6
bis(2-Chloroethyl)ether
Concen: 0.424 ng
RT: 7.269 min Scan# 580
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion: 93 Resp: 4557

Ion	Ratio	Lower	Upper
93	100		
63	72.1	58.4	87.6
95	31.7	25.8	38.6



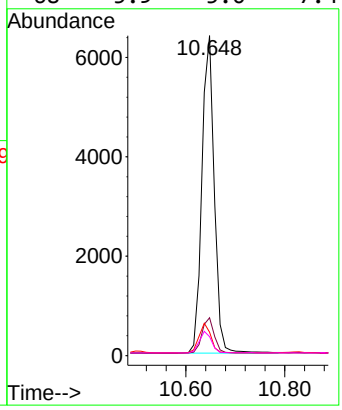


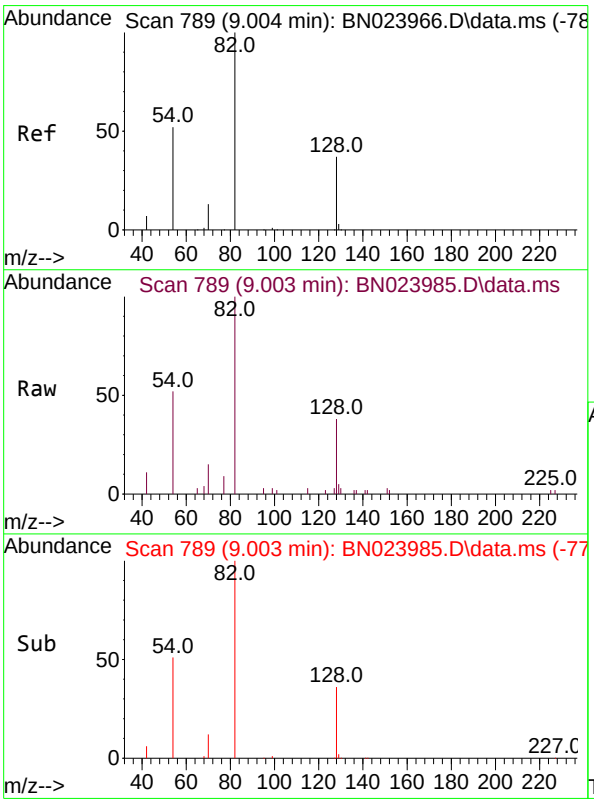
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:136 Resp: 11096

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.3	5.8	8.8
68	5.9	5.0	7.4

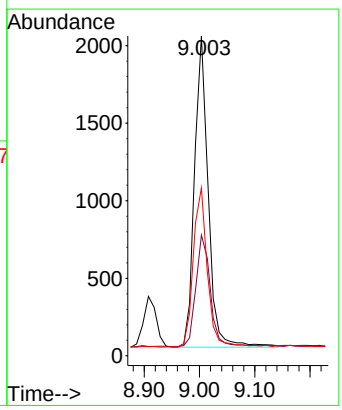


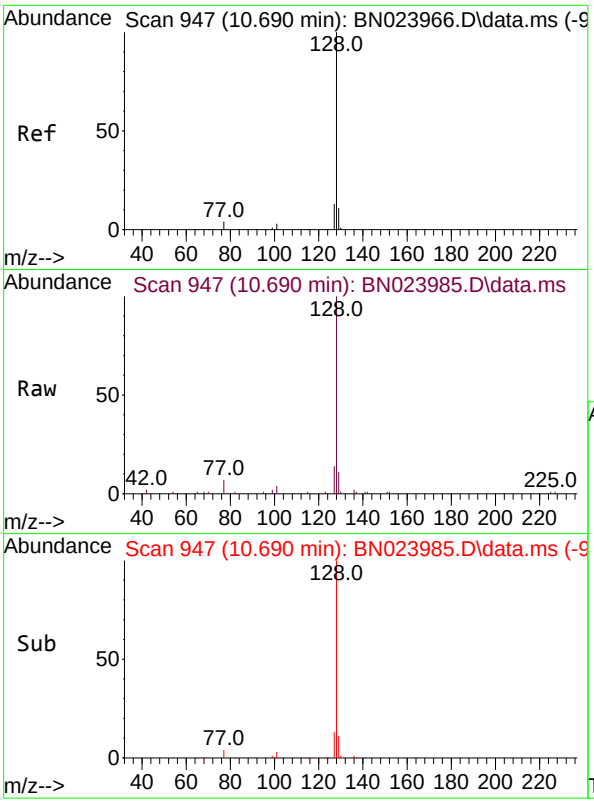


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion: 82 Resp: 3458

Ion	Ratio	Lower	Upper
82	100		
128	37.8	31.5	47.3
54	52.5	42.8	64.2



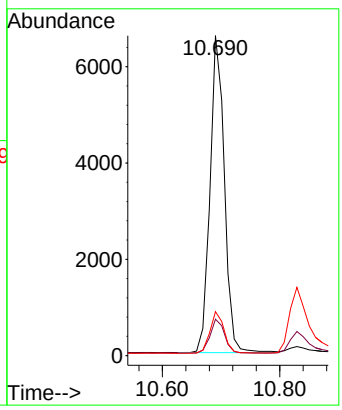


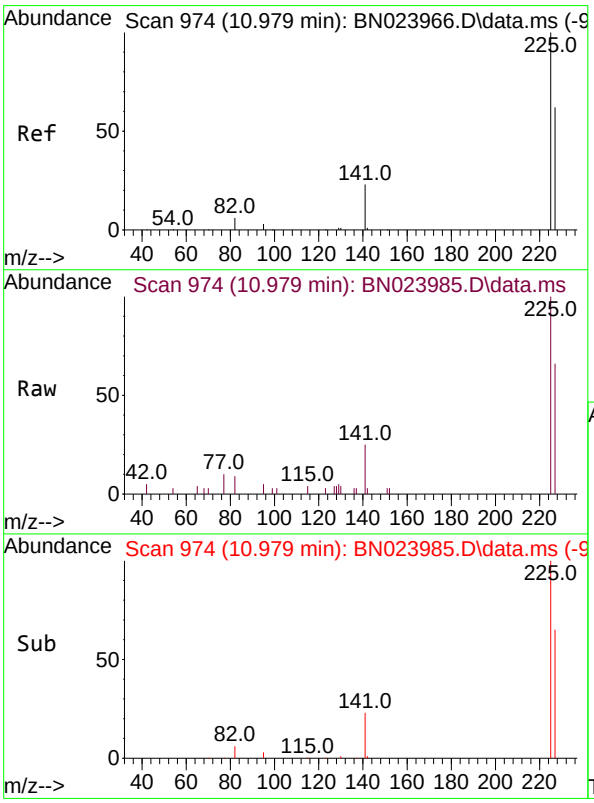
#9
Naphthalene
Concen: 0.405 ng
RT: 10.690 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:128 Resp: 11210

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.8	11.0	16.4

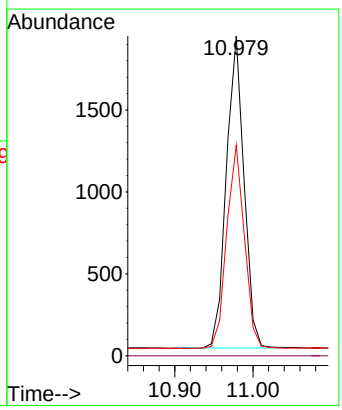


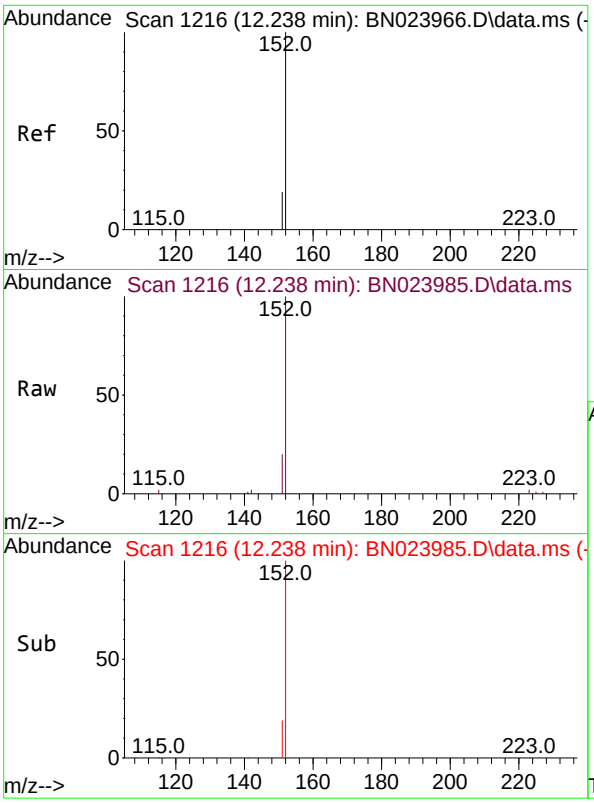


#10
Hexachlorobutadiene
Concen: 0.411 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:225 Resp: 2986

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	51.1	76.7



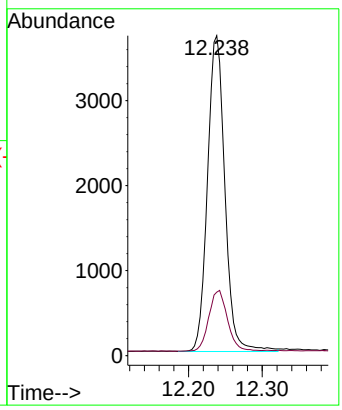


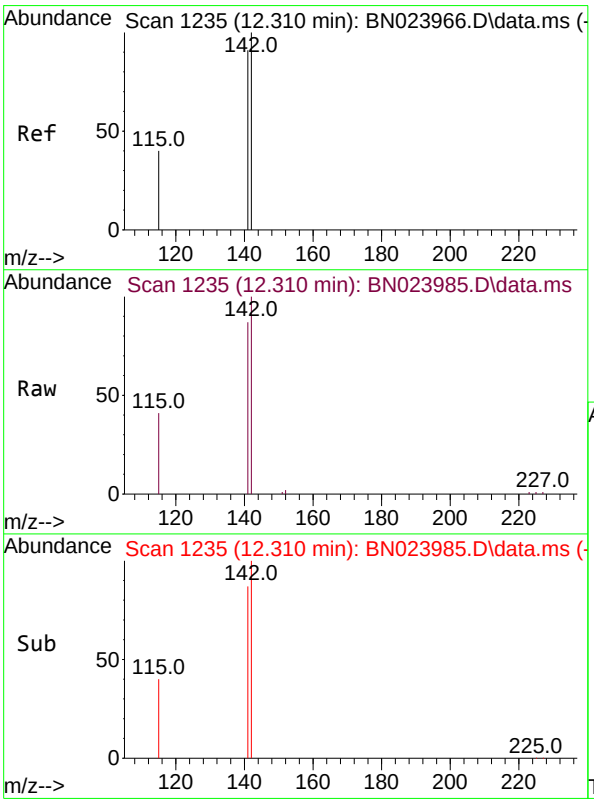
#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:152 Resp: 6102

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8

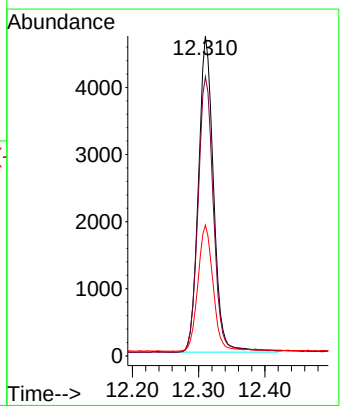


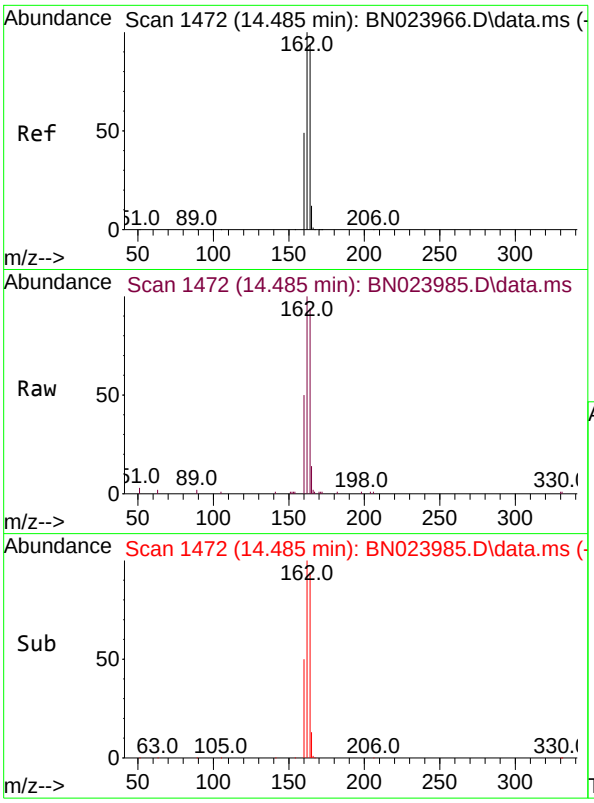


#12
2-Methylnaphthalene
Concen: 0.405 ng
RT: 12.310 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:142 Resp: 7451

Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.9	109.3
115	40.9	33.1	49.7



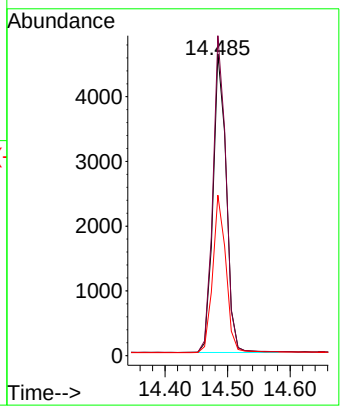


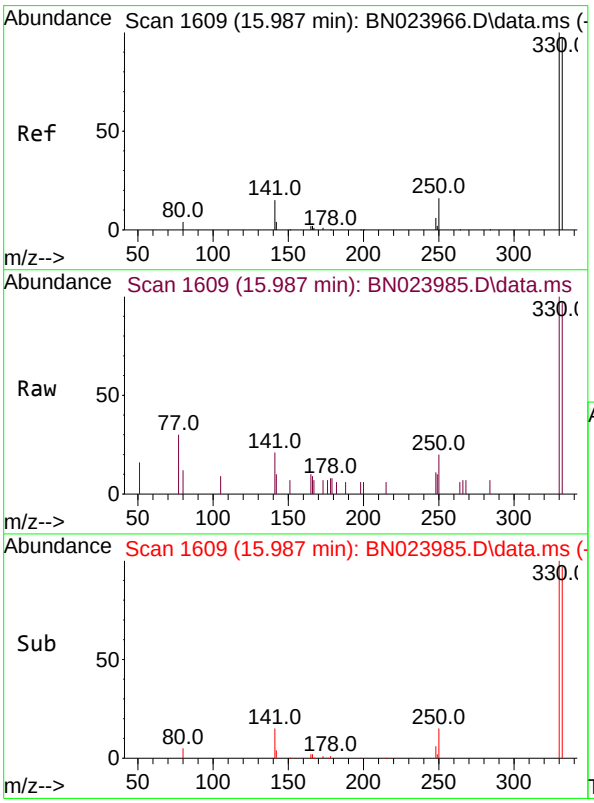
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:164 Resp: 6808

Ion	Ratio	Lower	Upper
164	100		
162	106.1	84.8	127.2
160	53.2	42.0	63.0

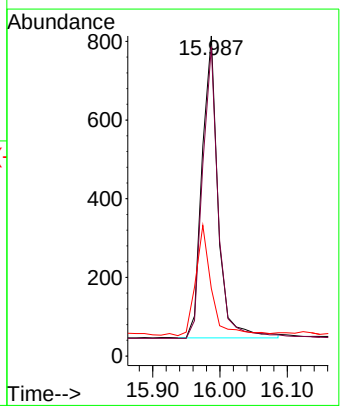


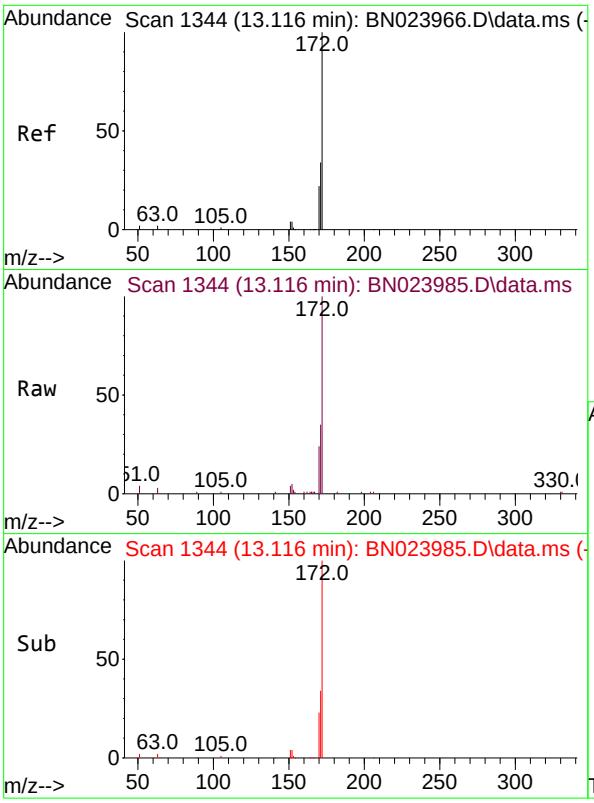


#14
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 15.987 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:330 Resp: 1262

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.7	116.5
141	36.0	26.6	39.8



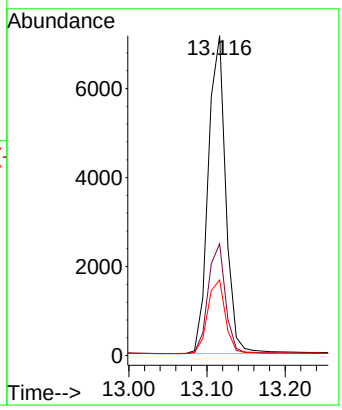


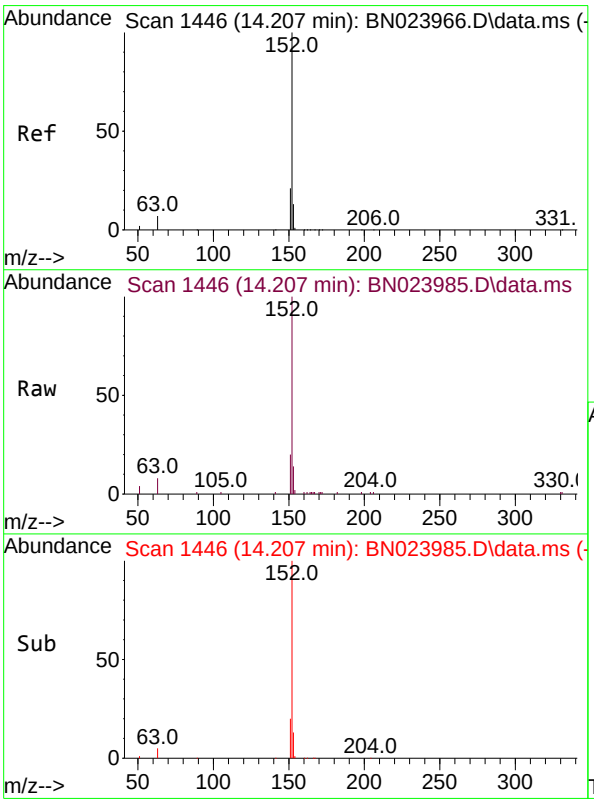
#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:172 Resp: 11109

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.4	41.2
170	23.6	18.2	27.4

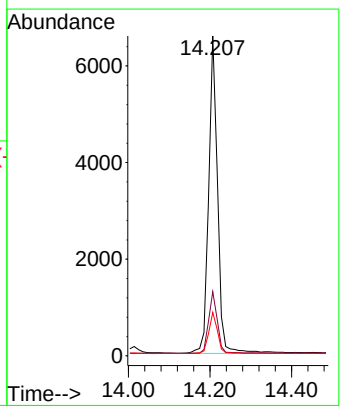


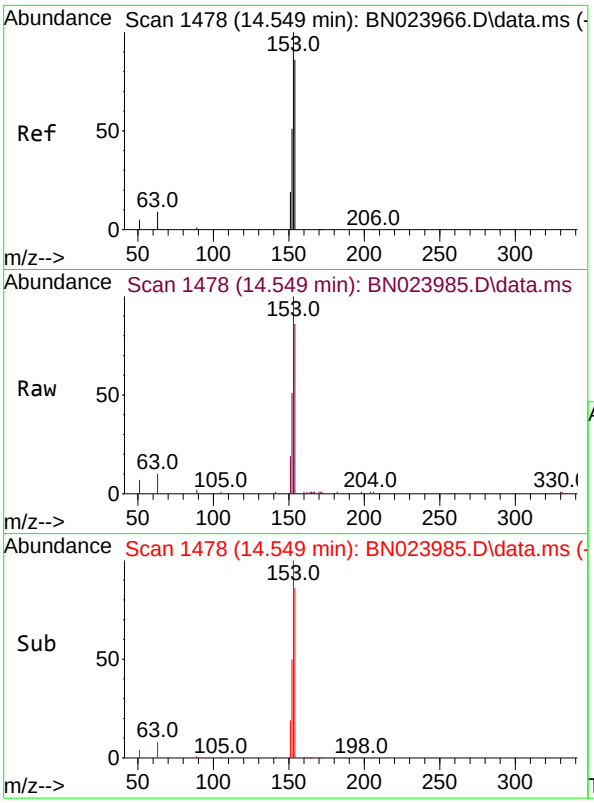


#16
Acenaphthylene
Concen: 0.376 ng
RT: 14.207 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:152 Resp: 9967

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.9	23.9
153	12.9	10.5	15.7



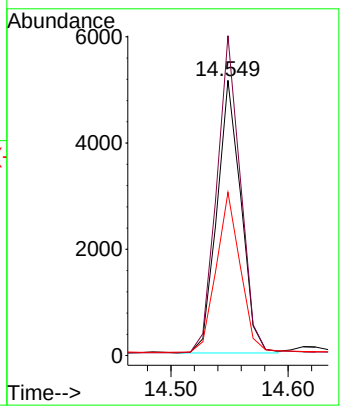


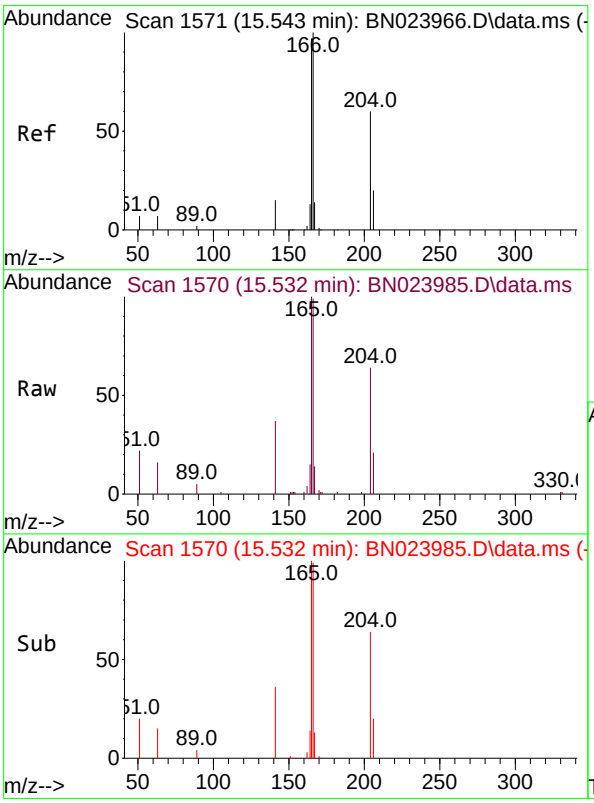
#17
Acenaphthene
Concen: 0.406 ng
RT: 14.549 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:154 Resp: 7323

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.6	139.0
152	59.7	46.5	69.7

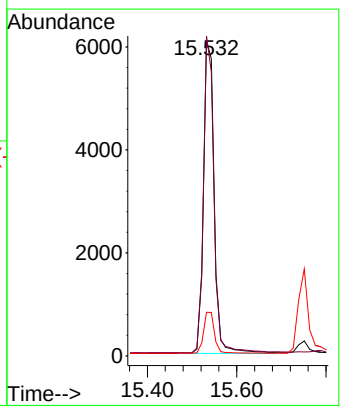


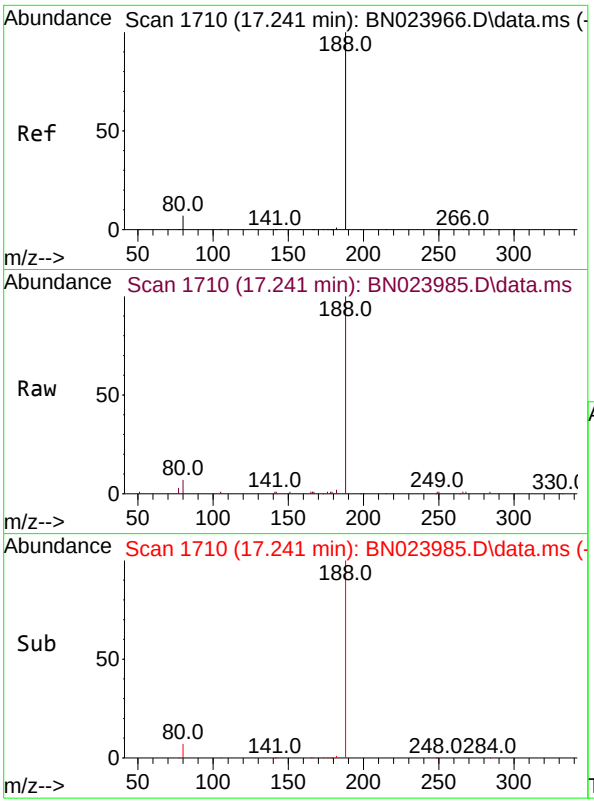


#18
Fluorene
Concen: 0.413 ng
RT: 15.532 min Scan# 1570
Delta R.T. -0.011 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:166 Resp: 10102

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.3	118.9
167	13.5	11.0	16.6





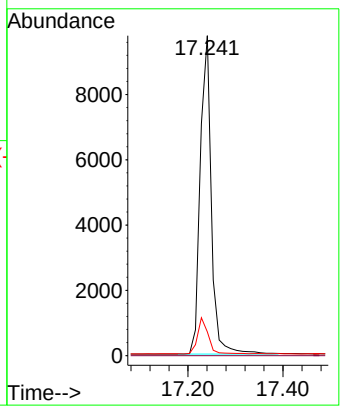
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.241 min Scan# 1

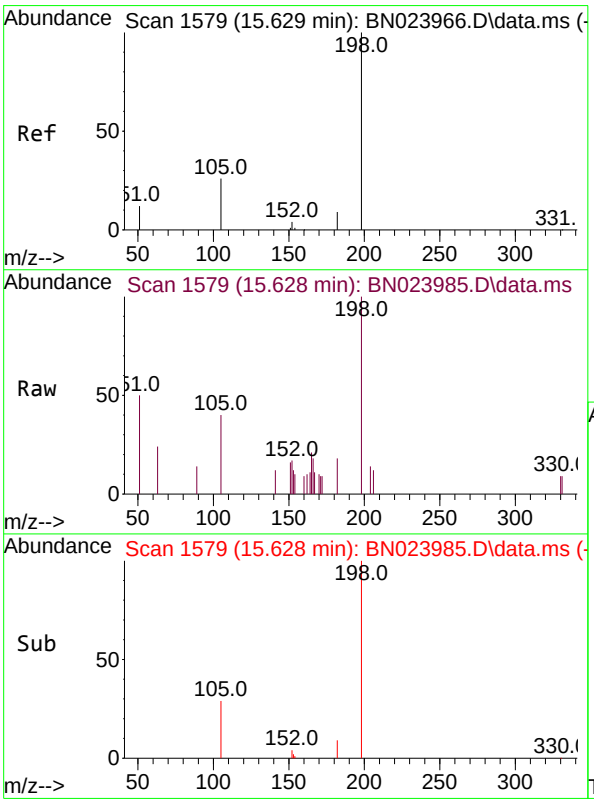
Instrument :
BNA_N
ClientSampleId :
PB150549BS

Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:188 Resp: 15755

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.1	9.1

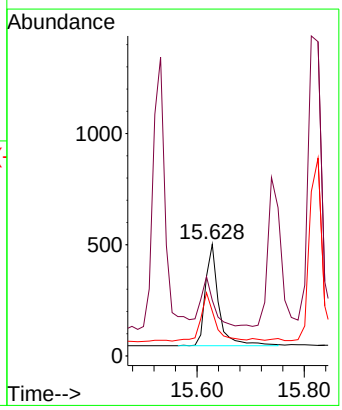


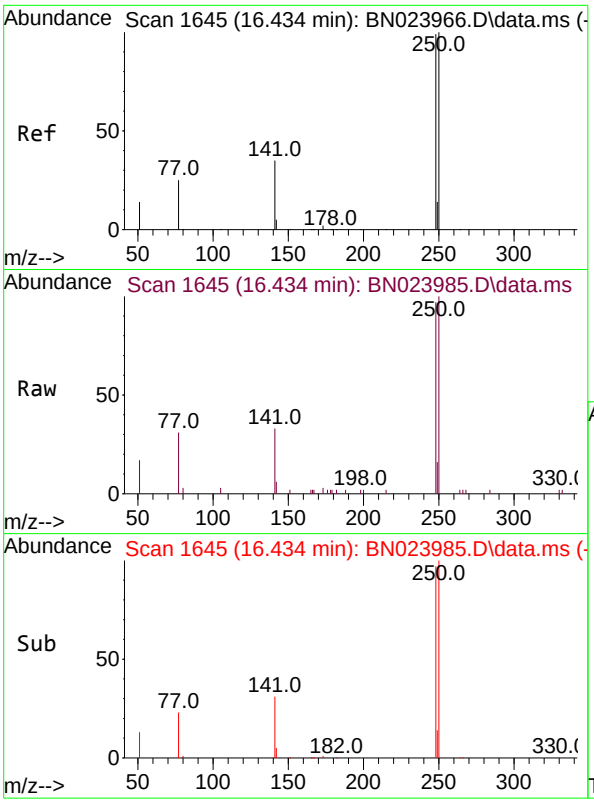


#20
4,6-Dinitro-2-methylphenol
Concen: 0.411 ng
RT: 15.628 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:198 Resp: 803

Ion	Ratio	Lower	Upper
198	100		
51	49.8	36.8	55.2
105	40.0	28.8	43.2



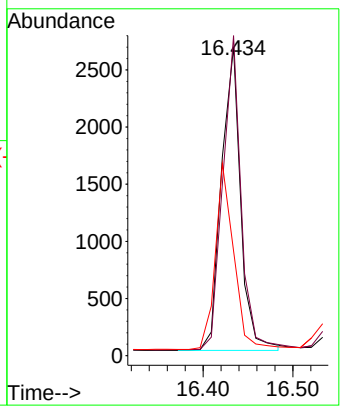


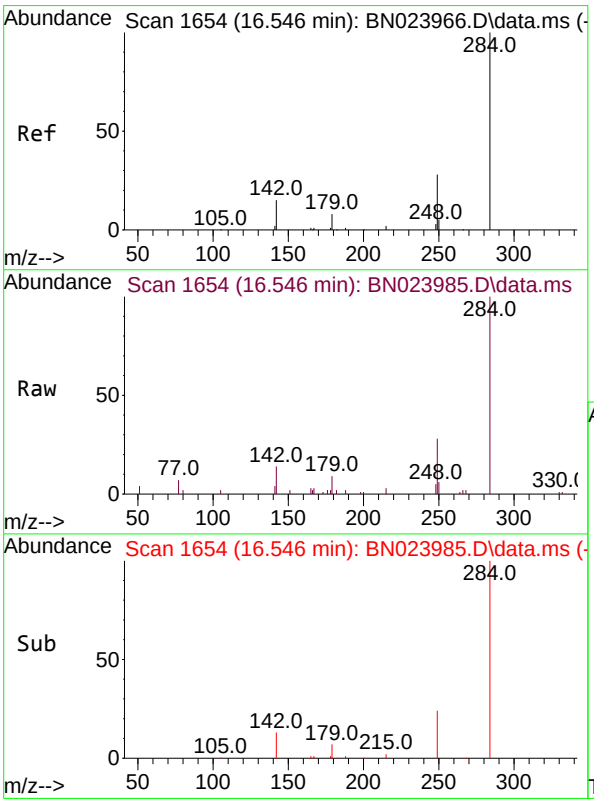
#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:248 Resp: 3956

Ion	Ratio	Lower	Upper
248	100		
250	103.6	80.8	121.2
141	33.9	29.2	43.8

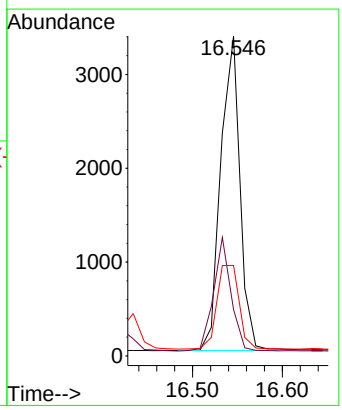


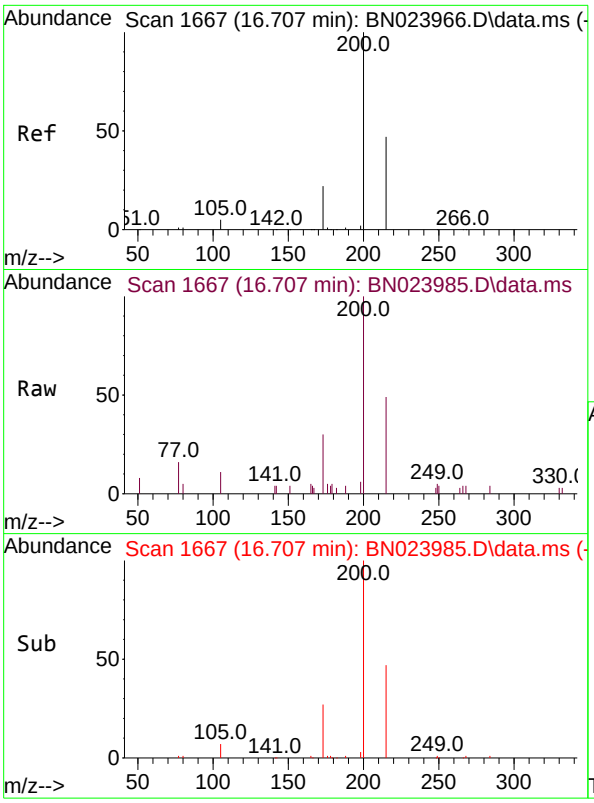


#22
Hexachlorobenzene
Concen: 0.404 ng
RT: 16.546 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:284 Resp: 4972

Ion	Ratio	Lower	Upper
284	100		
142	33.1	26.2	39.2
249	30.9	25.0	37.4



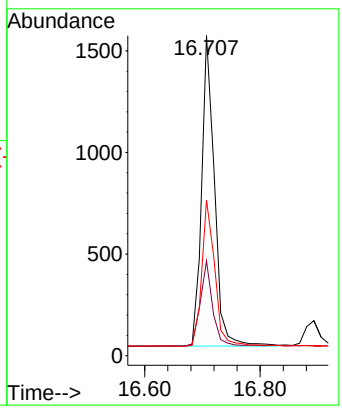


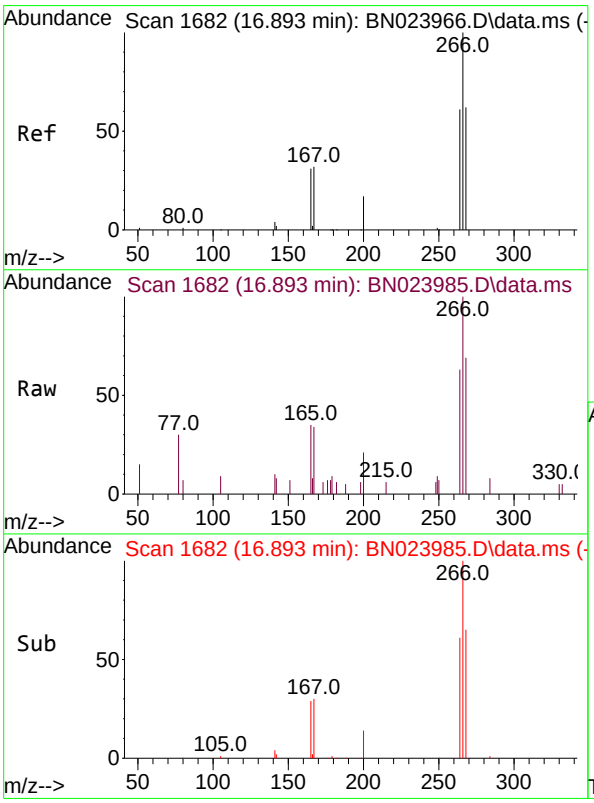
#23
Atrazine
Concen: 0.352 ng
RT: 16.707 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:200 Resp: 2356

Ion	Ratio	Lower	Upper
200	100		
173	29.7	19.5	29.3#
215	48.6	38.6	58.0

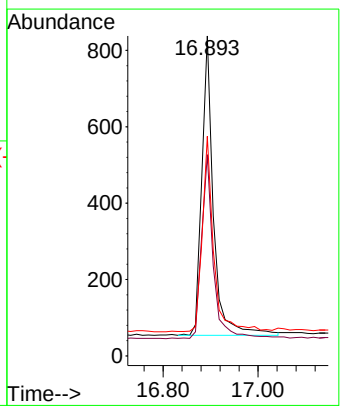


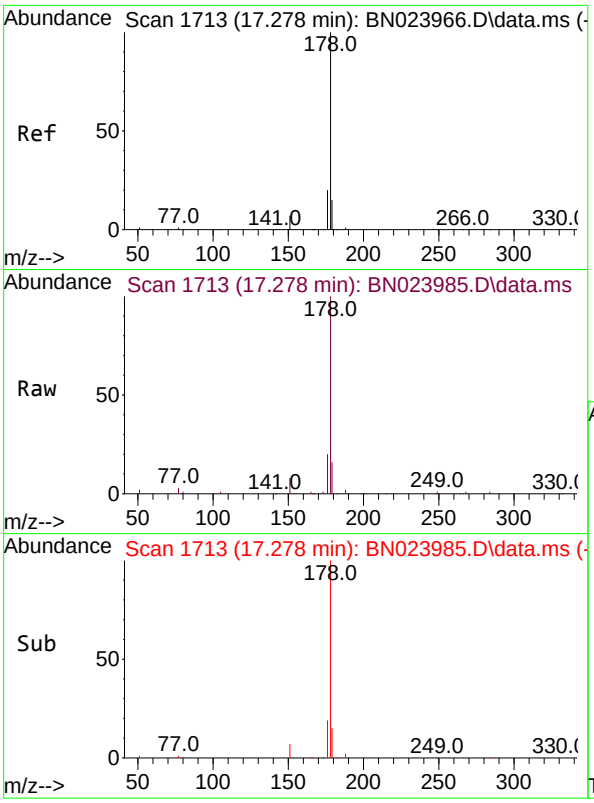


#24
Pentachlorophenol
Concen: 0.391 ng
RT: 16.893 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:266 Resp: 1333

Ion	Ratio	Lower	Upper
266	100		
264	61.2	47.6	71.4
268	62.9	47.5	71.3



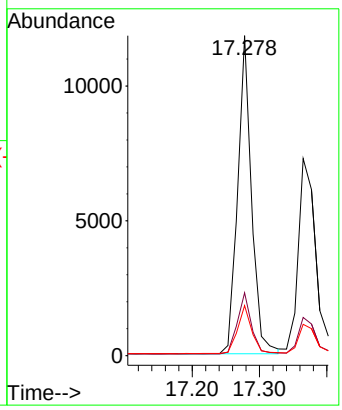


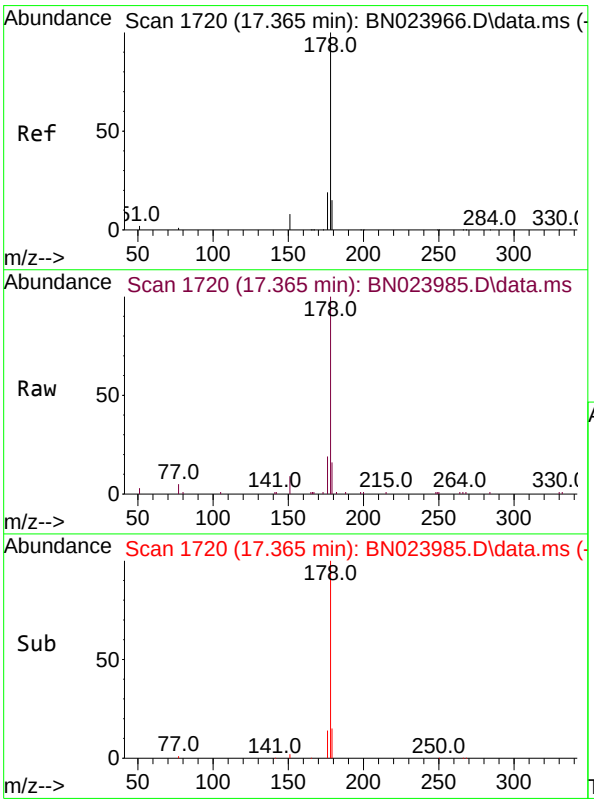
#25
Phenanthrene
Concen: 0.388 ng
RT: 17.278 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:178 Resp: 16854

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.6	12.6	19.0

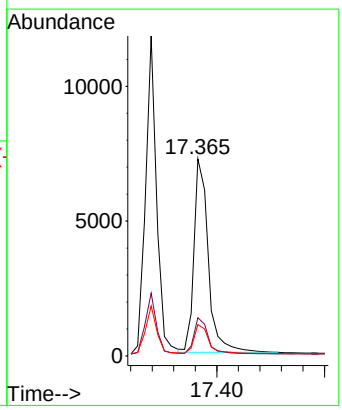


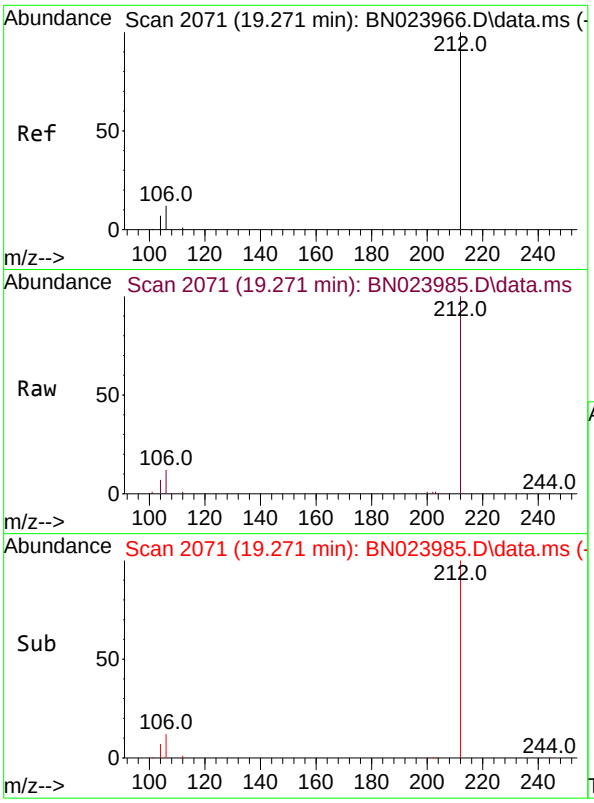


#26
Anthracene
Concen: 0.370 ng
RT: 17.365 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:178 Resp: 13239

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.2	12.2	18.4



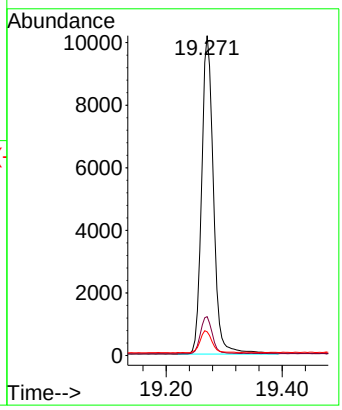


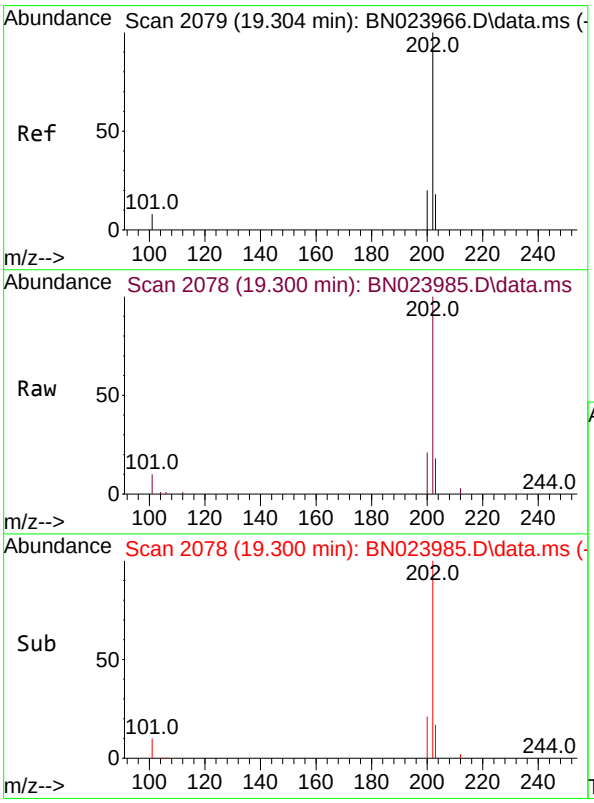
#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.271 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:212 Resp: 14417

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.2	13.8
104	6.9	5.7	8.5

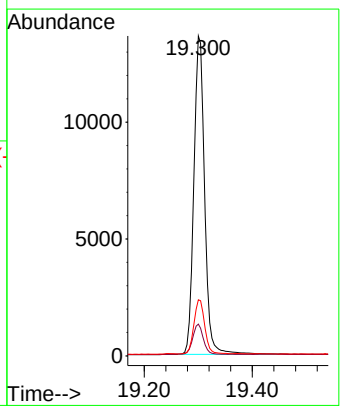


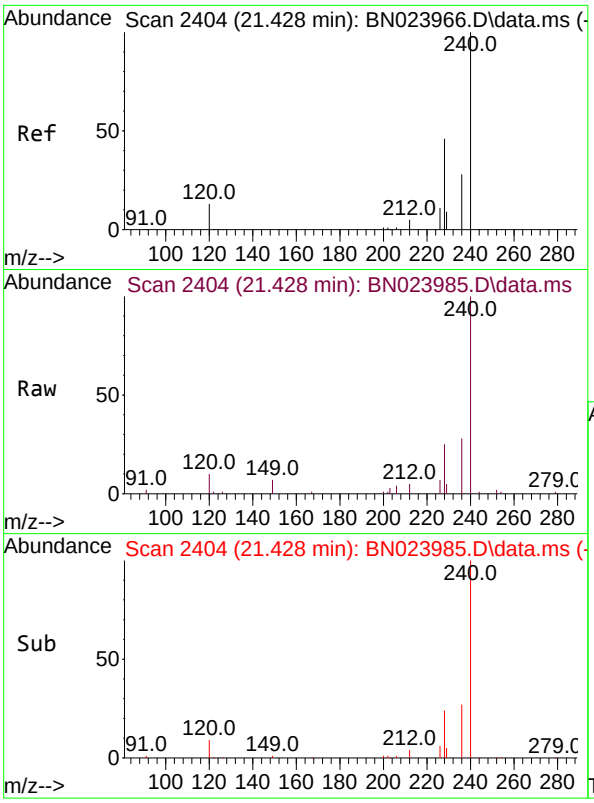


#28
Fluoranthene
Concen: 0.378 ng
RT: 19.300 min Scan# 2078
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:202 Resp: 18850

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.7	11.5
203	17.2	13.7	20.5



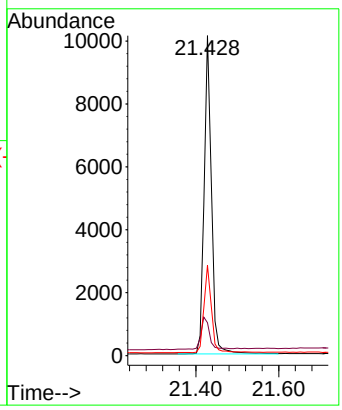


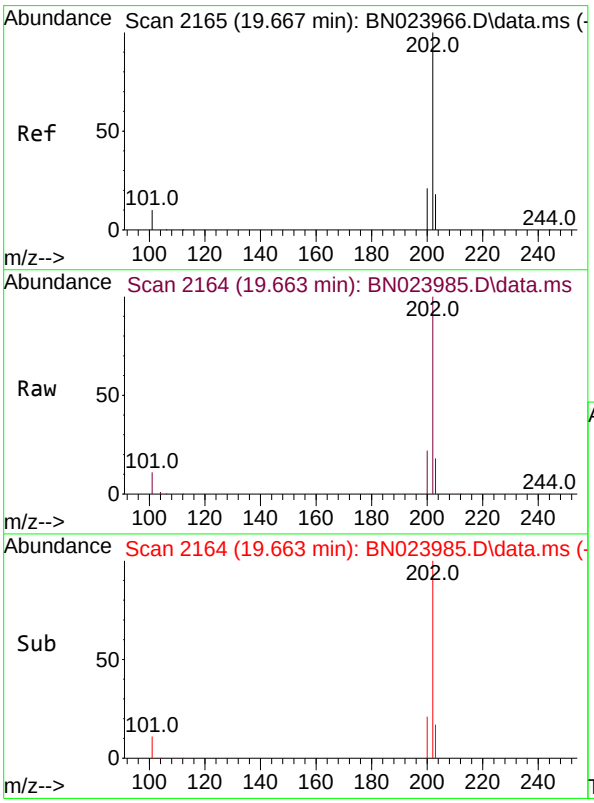
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.428 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:240 Resp: 12357

Ion	Ratio	Lower	Upper
240	100		
120	10.3	11.4	17.0#
236	28.2	23.2	34.8

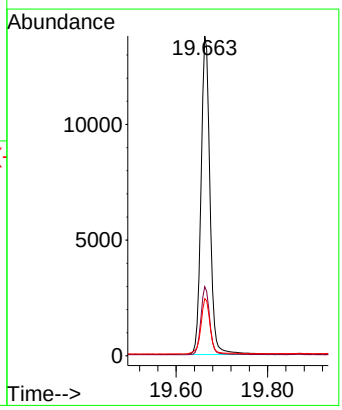


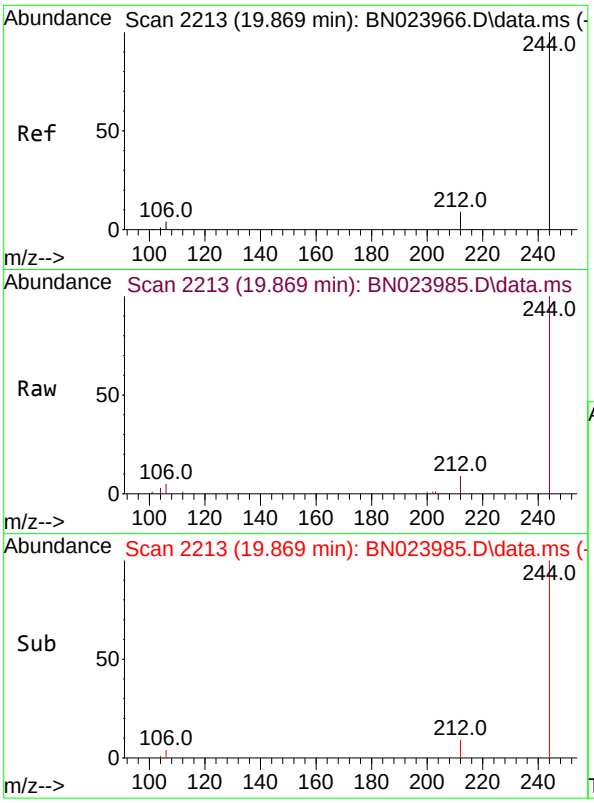


#30
Pyrene
Concen: 0.432 ng
RT: 19.663 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:202 Resp: 18495

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.4	21.6



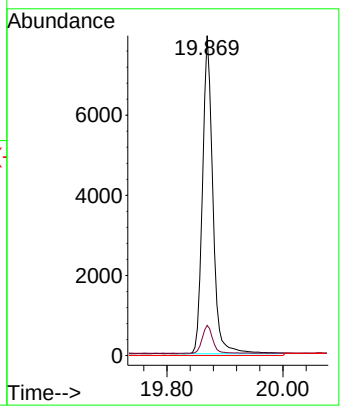


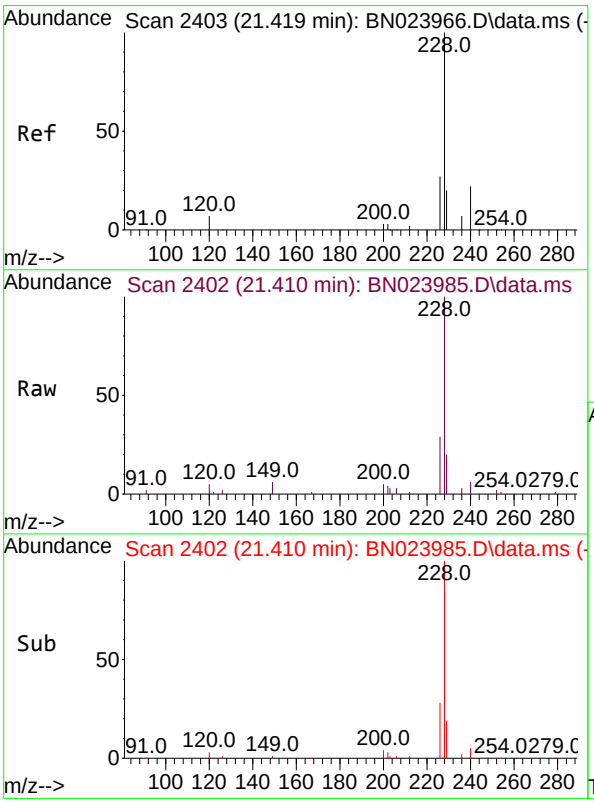
#31
Terphenyl-d14
Concen: 0.427 ng
RT: 19.869 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:244 Resp: 9854

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.7	11.5
122	0.0	0.0	0.0

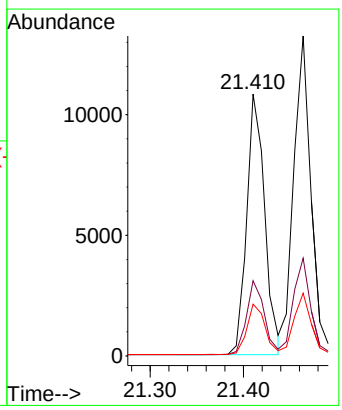


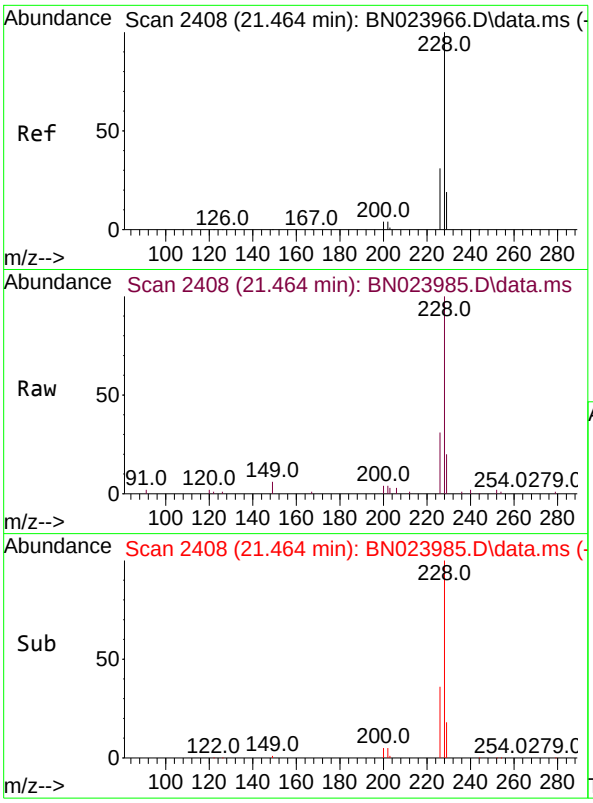


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.410 min Scan# 2402
Delta R.T. -0.004 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:228 Resp: 14439

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	19.8	15.9	23.9



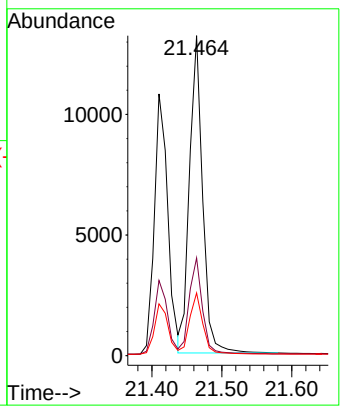


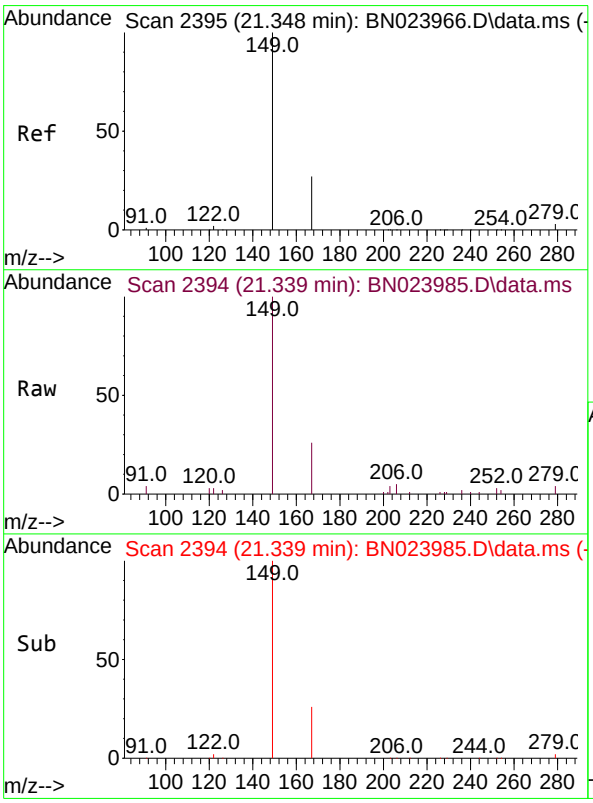
#33
Chrysene
Concen: 0.402 ng
RT: 21.464 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:228 Resp: 17151

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.2	37.8
229	19.6	15.7	23.5

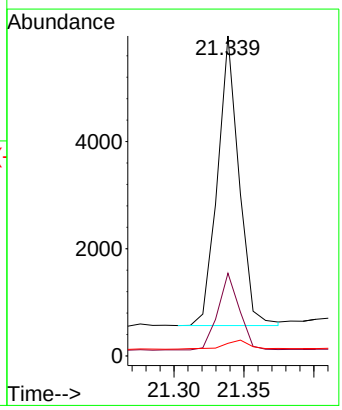


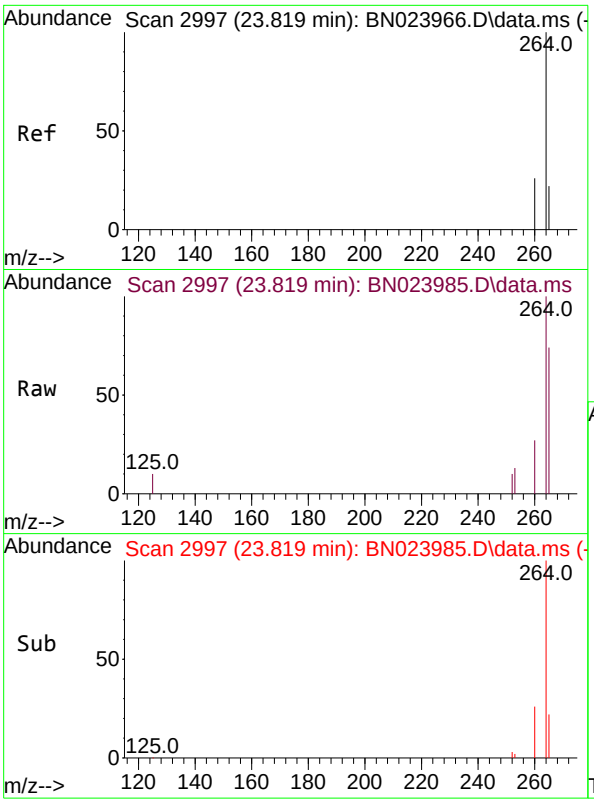


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.320 ng
RT: 21.339 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:149 Resp: 5779

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.1	31.7
279	3.9	3.1	4.7



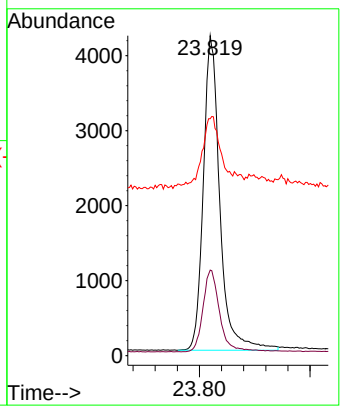


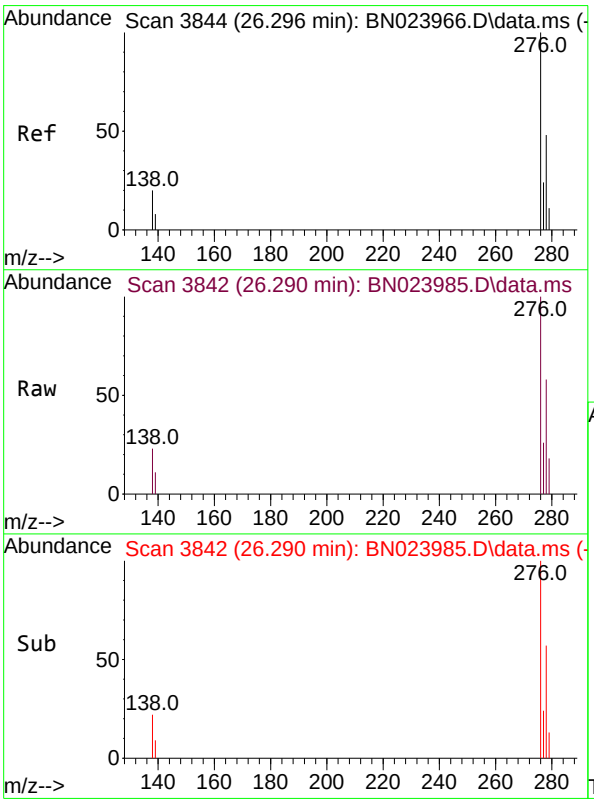
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.819 min Scan# 29
Delta R.T. 0.011 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:264 Resp: 8679

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.4	32.0
265	74.0	41.4	62.0#

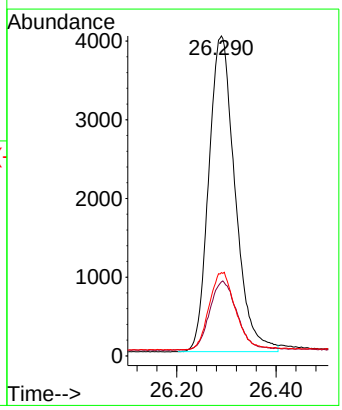


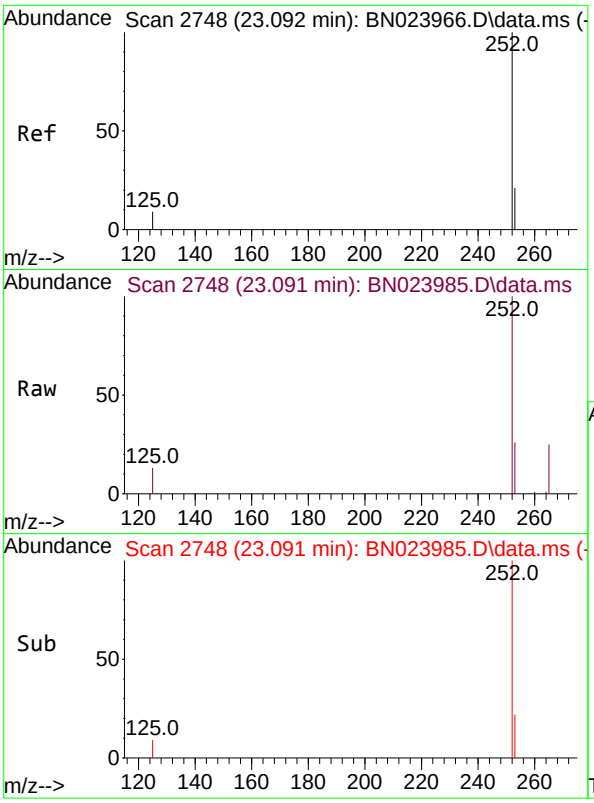


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 26.290 min Scan# 3842
Delta R.T. 0.025 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:276 Resp: 14716

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.0	27.0
277	24.8	19.9	29.9



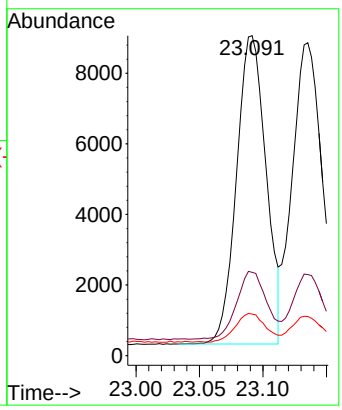


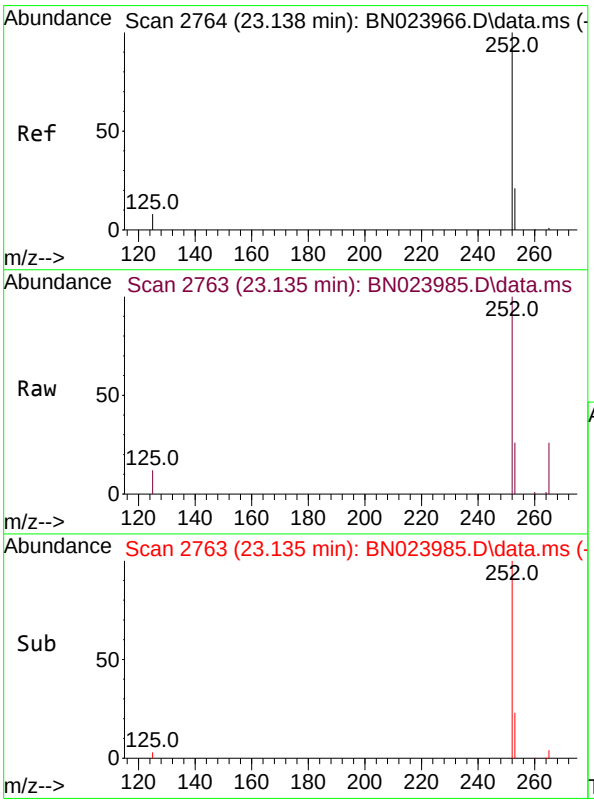
#37
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 23.091 min Scan# 2
Delta R.T. 0.008 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:252 Resp: 14112

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.8	29.6
125	13.0	9.4	14.0

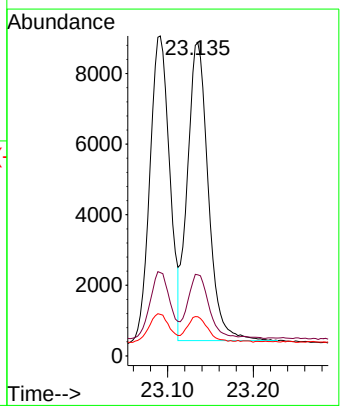


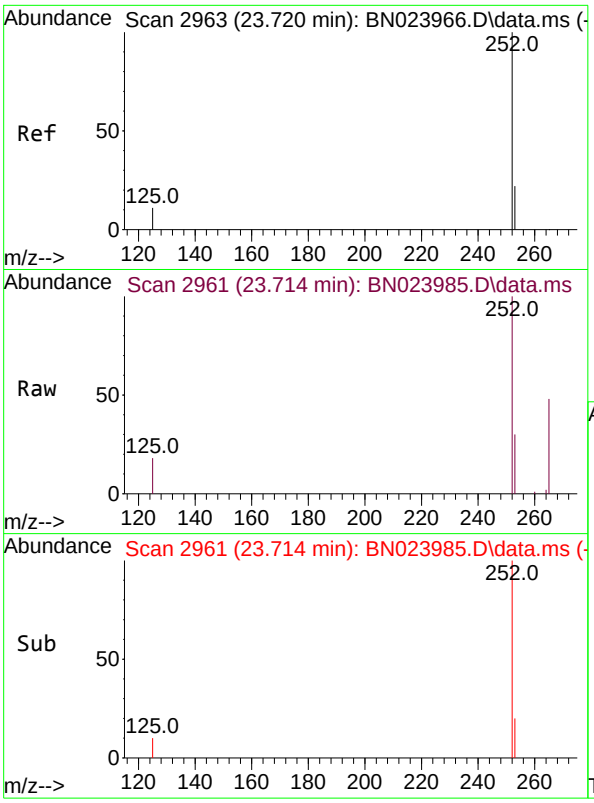


#38
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 23.135 min Scan# 2763
Delta R.T. 0.002 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:252 Resp: 14313

Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.2	30.2
125	12.5	9.0	13.4



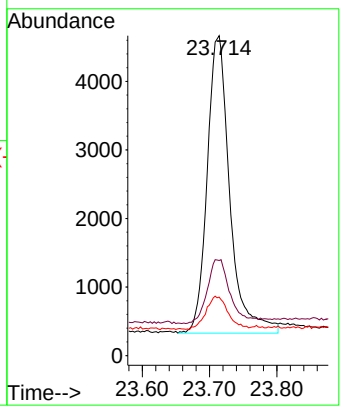


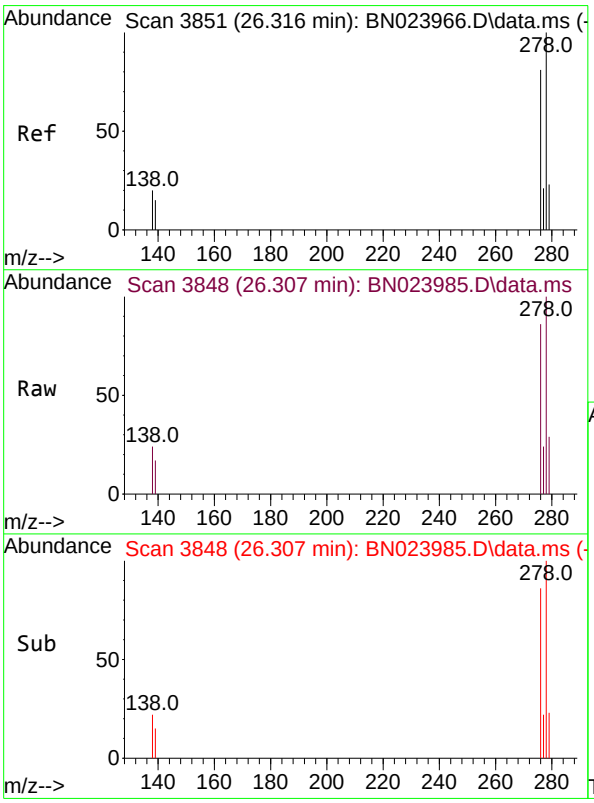
#39
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.714 min Scan# 29
Delta R.T. 0.011 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:252 Resp: 10145

Ion	Ratio	Lower	Upper
252	100		
253	29.7	21.9	32.9
125	18.3	12.4	18.6

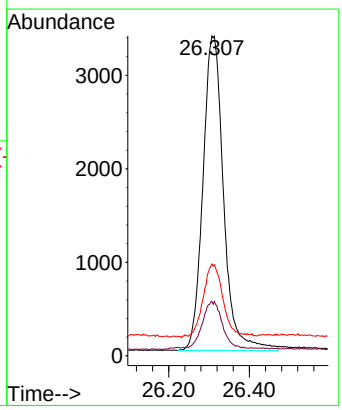


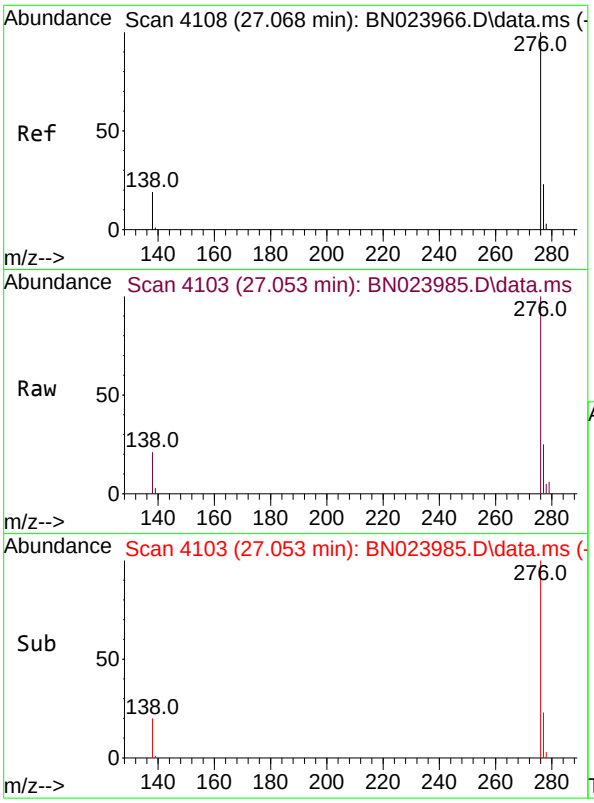


#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.307 min Scan# 3848
Delta R.T. 0.022 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Tgt Ion:278 Resp: 11941

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.1	19.7
279	28.7	21.7	32.5





#41
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 27.053 min Scan# 41
Delta R.T. 0.034 min
Lab File: BN023985.D
Acq: 08 Feb 2023 01:46

Instrument :
BNA_N
ClientSampleId :
PB150549BS

Tgt Ion:276 Resp: 13016

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	21.4	16.2	24.4